

**THE
DOE RUN
COMPANY**

Remediation Group

Mark Nations
Mining Properties Manager
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October 11, 2013

Mr. Jason Gunter
Remedial Project Manager
U.S. Environmental Protection Agency
Region 7 - Superfund Branch
11201 Renner Blvd.
Lenexa, KS 66219

Re: The Doe Run Company – Federal Mine Tailings Site Monthly Progress Report

Dear Mr. Gunter:

As required by Article XVII, Paragraph 73 of the Administrative Order on Consent (Docket No. VII-97-F-0009) for the referenced project and on behalf of The Doe Run Company, the progress report for the period September 1, 2013 through September 30, 2013 is enclosed. If you have any questions or comments, please call me at 573-518-0800.

Sincerely,



Mark Nations
Mining Properties Manager

TLM/jms
Enclosure

c: Jason England – TDRC
Matt Wohl – TDRC (electronic only)
Mark Yingling – TDRC (electronic only)
Martin Kator – MDNR - DSP
Robert Hinkson – MDNR - HWP
Ty Morris – Barr Engineering

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Federal Mine Tailings Site

Park Hills, Missouri

Monthly Progress Report

Period: September 1, 2013 – September 30, 2013

1. Actions Performed or Completed This Period:

- a. Work continued on the task of stockpiling rock onsite. This work focused on stockpiling trail rock, Type 1 riprap, Type 2 riprap, and Type 3 riprap. These rock types are being stockpiled in the Borrow Area. As of the end of the period, work on this task continued.
- b. Work in the Off Road Vehicle (ORV) Riding Area also continued on covering the trails and grids that exceeded the 600 ppm action level in the portion of the ORV Riding Area included in Phase II and Phase IV of the fencing plan. As of the end of the period, work on this task has been completed.
- c. Work in the ORV Riding Area also continued on the Blue Bird Drainage Channel in Phase II of the Riding Area. This work focused on constructing the channel to final grade and rocking the channel. As of the end of the period, work on this task has been completed.
- d. Work in Phase III of the ORV Riding Area also began. This work focused on covering the trails and grids that exceeded the 600 ppm action level. As of the end of the period, work on this task continued.
- e. Work also began in Phase III of the ORV Riding Area on the East Main Drainage Channel. This work focused on rough grading the channel. As of the end of the period, work on this task continued.
- f. Work continued in the Borrow Pit Area. This work focused on covering the open areas with mine rock. As of the end of the period, work on this task continued.
- g. Work continued in the Shaw Branch Creek Area north of Highway 32. This work focused on placing shot rock over the areas outside of the channel. As of the end of the period, work on this task has been completed.

2. Data and Results Received This Period:

- a. Attached are the lead monitoring results for the Missouri Department of Natural Resources – Department of State Parks (MDNR-DSP) air monitor located near the ORV Riding Area for July 2013. Neither The Doe Run Company nor Barr Engineering were involved with siting this monitor, collecting the samples, processing the samples, evaluating the data, or verifying the accuracy of the data.
- b. During this period, the Ambient Air Monitoring Reports for June 2013 and Second Quarter 2013 were completed. Any issues identified in these reports are discussed below. A copy of these documents has been sent to your attention.

The June 2013 Ambient Air Monitoring Report noted the following:

- The action levels for lead and dust were not exceeded.
- No samples were taken with the TSP monitors on 06/06/13 due to training.

The Second Quarter 2013 Ambient Air Monitoring Report noted the following:

- The action levels for lead and dust were not exceeded.
- No samples were taken with the Federal #4 TSP monitor on 04/10/13 due to mechanical failure. Upon discovery, the issue was corrected.
- No samples were taken with the Federal #4 TSP monitor on 04/29/13 due to the run time being too short. Upon discovery, the issue was corrected.
- No samples were taken with the Federal #4 TSP monitor on 05/21/13 due to mechanical failure. Upon discovery, the issue was corrected.

- No samples were taken with the TSP monitors on 05/27/13 due to the holiday.
- No samples were taken with the PM₁₀ monitors on 05/28/13 due to the holiday.
- No samples were taken with the TSP monitors on 06/06/13 due to training.

3. Planned Activities for Next Period:

- a. Work in the ORV Riding Area will continue on the task of covering the trails and grids that exceeded the 600 ppm action level in the portion of the area included in the Phase III fencing plan.
- b. Work in the ORV Riding Area will continue on the East Main Drainage Channel. Work in this area will focus on rocking this channel.
- c. Work in the Borrow Pit Area will continue on covering the open areas with trail rock.
- d. Work in the Disposal Area will begin. Work in this area will focus on rocking the channels that have been constructed.
- e. Work will continue on the task of stockpiling trail rock, Type 1 riprap, and Type 2 riprap.

4. Changes in Personnel:

- a. Jason England has temporarily been reassigned to another position within Doe Run. While he is on this assignment, he will not be very involved with the work at this site. Genevieve Bodnar, an environmental engineer in Doe Run's mining division, will be providing support to the remediation crew on an as needed basis during Jason's absence. Mark Nations will continue in his existing role and will be the primary contact for the work at this site.

5. Issues or Problems Encountered and the Resolution:

- a. None.

Air Quality Monitoring Pb results for July 2013

St. Joe State Park

Primary

AQM Pb results for May 2013					AQM Pb results for June 2013				
St. Joe State Park					St. Joe State Park				
Pnmary					Pnmary				
Sample Number	Date Collected	Sampler	Result		Sample Number	Date Collected	Sampler	Result	
AB97764	5/1/2013	#1 Primary	0.7632	µg/m³	AC02246	6/3/2013	#1 Primary	0.0265	µg/m³
AB97784	5/4/2013	#1 Primary	0.0058	µg/m³	AC02266	6/6/2013	#1 Primary	0.0287	µg/m³
AB97804	5/7/2013	#1 Primary	0.0182	µg/m³	AC02286	6/9/2013	#1 Primary	0.0368	µg/m³
AB97824	5/10/2013	#1 Pnmary	0.0158	µg/m³	AC02306	6/12/2013	#1 Primary	0.0952	µg/m³
AB97857	5/16/2013	#1 Pnmary	0.0052	µg/m³	AC02325	6/15/2013	#1 Pnmary	0.0332	µg/m³
AB97863	5/19/2013	#1 Pnmary	0.0286	µg/m³	AC02333	6/18/2013	#1 Primary	0.0138	µg/m³
AB97869	5/22/2013	#1 Primary	0.0099	µg/m³	AC02339	6/21/2013	#1 Primary	0.0170	µg/m³
AB97881	5/28/2013	#1 Pnmary	0.4179	µg/m³	AC02345	6/24/2013	#1 Pnmary	0.0046	µg/m³
AB97887	5/31/2013	#1 Primary	0.0072	µg/m³	AC02351	6/27/2013	#1 Pnmary	0.0887	µg/m³
May Sum	1.2718	May Average 0.1413111111111111		µg/m³	June Sum	0.3964	June Average 0.03964		µg/m³
Run Days Scheduled:	11	Actual:	9	May Data Capture Rate	81.818%	Run Days Scheduled:	10	Actual:	10
					June Data Capture Rate				
					100.000%				

Sample Number	Date Collected	Site	Result
AC05479	7/3/2013	St. Joe State Park - #1 Primary	0.0097 µg/m³
AC05519	7/9/2013	St. Joe State Park - #1 Primary	0.0184 µg/m³
AC05539	7/12/2013	St. Joe State Park - #1 Primary	0.0283 µg/m³
AC05558	7/15/2013	St. Joe State Park - #1 Primary	0.0077 µg/m³
AC05569	7/18/2013	St. Joe State Park - #1 Primary	0.0761 µg/m³
AC05575	7/21/2013	St. Joe State Park - #1 Primary	0.0201 µg/m³
AC05581	7/24/2013	St. Joe State Park - #1 Primary	0.0664 µg/m³
AC05587	7/27/2013	St. Joe State Park - #1 Primary	0.1743 µg/m³
AC05593	7/30/2013	St. Joe State Park - #1 Primary	0.0043 µg/m³
July Sum 0.4053	July Average	0.0450333333333333- µg/m³	Run Days Scheduled: 10 Actual: 9
			July Data Capture Rate 90.000%
Three month rolling average: 0.08 µg/m³		Three Month Data Capture Rate: 91%	